

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/011833

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 F24F5/00 F28D5/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 F24F F28D F28F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 91 07 782 U1 (CHEMATEC AG, MOEHLIN, CH) 19 September 1991 (1991-09-19)	1-3, 5, 7-10, 12, 18, 21, 22
Y		11, 13, 14, 19, 20, 23-25 4, 26
A	the whole document	
Y	PATENT ABSTRACTS OF JAPAN vol. 012, no. 131 (M-688), 22 April 1988 (1988-04-22) -& JP 62 252890 A (HITACHI LTD), 4 November 1987 (1987-11-04) the whole document	11, 23-25
X	EP 0 661 502 A (JAPAN GORE-TEX, INC) 5 July 1995 (1995-07-05)	1, 21
Y	the whole document	13, 14
-/-		

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

19 April 2005

Date of mailing of the international search report

26/04/2005

Name and mailing address of the ISA
European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax (+31-70) 340-3016

Authorized officer

De Graaf, J.D.

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/011833

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6 338 258 B1 (LEE DAE YOUNG ET AL) 15 January 2002 (2002-01-15) figure 8	19,20
X	PATENT ABSTRACTS OF JAPAN vol. 2003, no. 09, 3 September 2003 (2003-09-03) -& JP 2003 148894 A (SHIMIZU CORP), 21 May 2003 (2003-05-21) the whole document	1-3,5,6, 21
X	PATENT ABSTRACTS OF JAPAN vol. 1996, no. 12, 26 December 1996 (1996-12-26) -& JP 08 219504 A (JAPAN GORE TEX INC), 30 August 1996 (1996-08-30) the whole document	1,8-10, 12,21
P,X	WO 2004/065857 A (OXYCELL HOLDING BV; REINDERS, JOHANNES, ANTONIUS, MARIA) 5 August 2004 (2004-08-05) the whole document	1-26
E	WO 2005/019739 A (OXYCELL HOLDING BV; REINDERS, JOHANNES, ANTONIUS, MARIA) 3 March 2005 (2005-03-03) the whole document	1-26
P,X	WO 2004/040219 A (OXYCELL HOLDING B.V; REINDERS, JOHANNES, ANTONIUS, MARIA) 13 May 2004 (2004-05-13) the whole document	1,21
X	DE 43 21 743 A1 (FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG EV, 8) 17 March 1994 (1994-03-17) column 4, line 31 - line 33; figure 2	1,21
X	FR 2 322 644 A (CIAT) 1 April 1977 (1977-04-01) page 1, line 39 - page 2, line 3; figures 1,2	1,21
X	WO 03/064153 A (JENTEX CORPORATION; PELHAM, MATTHEW, C.,SR; FLYNN, NIGEL, J) 7 August 2003 (2003-08-07) the whole document	1
A	BE 1 013 160 A6 (OFFFRINGA DIRK DOOITZE; DUTCH TRADING CENTER TIEL B.V) 2 October 2001 (2001-10-02) figures 1,2,9	20
A	US 5 187 946 A (ROTENBERG ET AL) 23 February 1993 (1993-02-23)	
	-/--	

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/011833

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2003/033821 A1 (MAISOTSENKO VALERIY ET AL) 20 February 2003 (2003-02-20) -----	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/011833

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 9107782	U1	19-09-1991	NONE	
JP 62252890	A	04-11-1987	NONE	
EP 0661502	A	05-07-1995	JP 7133994 A EP 0661502 A2	23-05-1995 05-07-1995
US 6338258	B1	15-01-2002	KR 2002061735 A CN 1366168 A ,C	25-07-2002 28-08-2002
JP 2003148894	A	21-05-2003	NONE	
JP 08219504	A	30-08-1996	NONE	
WO 2004065857	A	05-08-2004	NL 1023471 C2 WO 2004065857 A1	26-07-2004 05-08-2004
WO 2005019739	A	03-03-2005	WO 2005019739 A1	03-03-2005
WO 2004040219	A	13-05-2004	NL 1021794 C1 NL 1022794 C2 AU 2003274830 A1 AU 2003285311 A1 WO 2004040219 A1 WO 2004040220 A1 NL 1022794 A1	06-05-2004 06-09-2004 25-05-2004 25-05-2004 13-05-2004 13-05-2004 06-05-2004
DE 4321743	A1	17-03-1994	WO 9400724 A1	06-01-1994
FR 2322644	A	01-04-1977	FR 2322644 A1	01-04-1977
WO 03064153	A	07-08-2003	EP 1478510 A1 WO 03064153 A1 US 2003148691 A1	24-11-2004 07-08-2003 07-08-2003
BE 1013160	A6	02-10-2001	NONE	
US 5187946	A	23-02-1993	NONE	
US 2003033821	A1	20-02-2003	WO 03016808 A2	27-02-2003